

Abstract of Disclosure

Systems and methodologies are disclosed for isolating a portable hand held electronic unit from external mechanical shocks and/or vibrations by dampening them at several levels. The system can absorb an external mechanical shock at three different levels by employing an external bumper system, elastic housing design features, and an internal frame isolation. Moreover, such isolation assembly simplifies production of the portable electronic unit by enabling a “build to order process” according to a customer’s specification.